

TECHNICAL DATA SHEET

Product Name	PERILLA SEED OIL
Botanical Name	Perilla frutescens
Product Code	PCO4086
CAS #	68132-21-8
FEMA #	4013
EINECS #	268-884-2
INCI Name	Perilla frutescens Seed Oil

Part Used	Seeds
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to yellow colored liquid
Odour	Characteristic sweet, nutty odour
Refractive Index	1.460 - 1.485 @ 20°C
Specific Gravity (g/mL)	0.920 - 0.937 @ 20°C
Saponification Value (mgKOH/g)	135 - 195
Peroxide Value (meq O₂/kg)	Less than 5.0
Iodine Value (g I₂/100g)	175 - 208
Free Fatty Acids (% oleic)	Less than 1.0
Acid Value (mgKOH/g)	Less than 2.0
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Palmitic Acid	C16:0	4.00 – 10.00
Stearic Acid	C18:0	1.00 – 4.00
Oleic Acid	C18:1 (n-9)	10.00 – 18.00
Linoleic Acid	C18:2 (n-6)	12.00 – 20.00
Alpha-Linolenic Acid	C18:3 (n-3)	54.00 – 64.00

As it is electronically generated document, hence no signature required.

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